



Jackrabbit™ Low-Cost Single-Board Computer

Model BL1800:
• Board Size: 2.50" x 3.50" x 0.94" (64mm x 89mm x 24mm) **• Input Voltage:** 8-40VDC, switching regulator, 49 mA typical at 24VDC **• General Purpose I/O:** 14 bi-directional, 6 inputs, 4 outputs (CMOS compatible) **• High Power Outputs:** 3 sinking (1 Amp) and 1 sourcing (500mA) **• 1 Analog Input:** 9-bit resolution, 8-bit accuracy, 0.1-2.8V input range, 75ms typical acquisition time **• 2 Analog Outputs:** Filtered/buffered PWM outputs **• Processor:** Rabbit 2000, clock, 29.5MHz **• Memory:** SRAM 128K, flash 256K **• Timers:** Five 8-bit cascaded timers, one 10-bit timer with 2 match registers **• Serial Ports:** (2) RS-232 (or one with CTS/RTS) rated at 1Kv ESD, (1) RS-485 rated at 15kv ESD, (1) 5V CMOS compatible (programming port), 2 serial ports can be clocked **• Serial Rate:** Selectable baud rates up to 115,200 bps

Description	Digi-Key Part No.	Price Each	Rabbit Part No.
Model BL1800	316-1079-ND	99.00	20-101-0356
Model BL1810	316-1080-ND	69.00	20-101-0357
Model BL1820	316-1081-ND	49.00	20-101-0358

◆ RoHS Compliant

(RS-232), 230,400 bps (RS-485), 5 Volt CMOS compatible port up to 7.37Mbps **• Additional Features:** watchdog/supervisor, time/date clock, and backup battery

Model BL1810:
 Same as BL1800, except with 14.7MHz clock, 128K flash, linear regulator (7.5-25V), 3 sinking (200mA) and 1 sourcing (100mA) high-voltage outputs, and CMOS port baud rate of 3.69Mbps.

Model BL1820:
 Same as BL1810, except with no battery backup, (2) RS-232 and (2) 5V CMOS compatible (programming port)

Jackrabbit™ Development Kit

Digi-Key Part No. 316-1000-ND (101-0363) Only **\$139.00**

Includes Jackrabbit BL1810, manual, schematics, AC adapter, prototyping board, programming cable, documentation on CD ROM, additional parts, and complete Dynamic C SE software development system (not a trial version).

Low-Cost Single-Board Computer

Features:

• Rabbit 3000® microprocessor operating at up to 7.4MHz • 512K static RAM and 512K flash memory options • 26 Digital I/O: 16 protected digital inputs and 10 high-current digital outputs • 8 Single-ended or 4 differential analog channels with Vcc monitoring option: 11-bit single-ended or 12-bit differential channels • 3 PWM outputs • Six serial ports • Battery-backed real-time clock • Watchdog supervisor

The LP3500 can be mounted to a panel or on a plastic-enclosure base.

Description	Digi-Key Part No.	Price Each	Rabbit Part No.
Fox Tool Kit for 3500	316-1056-ND	200.00	101-0529
LP3500 Fox	316-1115-ND	199.00	20-101-0525

◆ RoHS Compliant

Interface OP7200 with Touchscreen

Features: • Small Size: 4.4" x 5.7" x 1.7" (112mm x 144mm x 43mm) • 1/4 VGA LCM display (320 x 240 pixels) with white LED backlight • 9-key keypad • LCD controller and SRAM compatible with OP7100 • 4 Status LED's • 24 Digital I/O • Rabbit 2000® microprocessor operating at 22.1 MHz • Audible alarm buzzer • 128K static RAM and 256K flash memory standard • One RJ-45 Ethernet port • Four serial ports • On-board backup battery • Watchdog • External reset input • Meets NEMA 4 watertightness specifications when front-panel mounted

Description	Digi-Key Part No.	Price Each	Rabbit Part No.
Model OP7200 with Touchscreen	316-1059-ND	449.00	101-0535
LCD/Keypad Plug-in	316-1051-ND	79.00	101-0465
20" Cable for Panel Mount Keyboard/display	316-1052-ND	15.00	540-0066
OP7200 Tool Kit	316-1057-ND	200.00	101-0543

Interface OP6800 with Ethernet Port

Features:

• 122 x 32 Graphic display • 7-key keypad • 7 LED's • 24 Digital I/O • Rabbit 2000® microprocessor at 22.1MHz • 128K static RAM and 256K flash memory • One RJ-45 Ethernet port • Four serial ports • Battery-backable real-time clock, battery included • Watchdog • Reset generator • Meets NEMA 4 watertightness specifications when front-panel mounted

Description	Digi-Key Part No.	Price Each	Rabbit Part No.
Model OP6800 with Ethernet Port	316-1060-ND	249.00	101-0492

RabbitCore™ Application Development Kits

Wi-Fi Application Kit

• Jumpstart your wireless application design with a complete application kit. Integrating Wi-Fi (IEEE 802.11b) with a RabbitCore™ Development Kit, embedded system integrators can now enable a wireless embedded system. Wireless connectivity eliminates Ethernet cables allowing for greater flexibility and mobility of wireless embedded Networks. **Includes:** • Linksys Wi-Fi card • RCM3100 microprocessor core module • Prototyping board • Dynamic C development system and complete documentation on CD-ROM • Serial cable for programming and debugging • 10-pin @ DB15 Conversion Cable • Manuals • AC adapter (U.S./Canada only)

316-1039-ND (101-0911)..... **\$599.00**

Machine to Machine Kit

• Jumpstart your M2M application design with a complete application kit. **Includes:** • Wavecom Fastrack Modem • Device antenna • RCM3200 microprocessor core module • Prototyping board • Dynamic C development system and complete documentation on CD-ROM • Serial cable for programming and debugging • 10-pin DB15 Conversion Cable • Ethernet Crossover Cable • Manuals • AC adapter (U.S./Canada only)

316-1040-ND (101-0721)..... **\$699.00**

Secure Embedded Web Kit

As more embedded applications feature access via the Internet, secure transmission of data is growing increasingly critical. The Secure Embedded Web Application Kit provides optimized software development tools to easily build secure web interfaces for your new and existing applications. Built around the RCM3700 RabbitCore powered by the Rabbit3000 microprocessor, the Secure Embedded Web Application Kit offers Secure Socket Layer (SSL), which implements a 128-bit lock and key solution to encrypt data transfers. **Includes:** • RCM3700 microprocessor core module • Development board with prototyping area • Dynamic C development system and complete documentation on CD-ROM • SSL • RabbitWeb • FAT file system • Serial cable for programming and debugging • Getting Started manual • AC adapter (U.S./Canada only)

316-1041-ND (101-0897)..... **\$752.61**

Serial to Ethernet Kit

Designers now have a Serial-to-Ethernet Application Kit that is easy to use. The simple 3-Step Setup for transmitting data from a digital volt meter via a serial port to a TCP/IP stream enables even the newest user to quickly develop a Serial-to-Ethernet application. The kit features digital volt meter software libraries, sample programs and a menuing system, in addition to the Dynamic C® integrated development environment. **Includes:** • RCM3010 microprocessor core module • Prototyping board • Dynamic C development system and complete documentation on CD-ROM • Serial cable for programming and debugging • DB9 Null Modem Cable • 10-pin @ DB9 Conversion Cable • Ethernet Crossover Cable • Getting Started manual • Keypad/display unit • AC adapter (U.S./Canada only)

316-1042-ND (101-0689)..... **\$349.00**

Embedded PLC Application Kit

This kit enables a Rabbit 3000 based single-board computer to be programmed using a standard software environment that is commonly used to program PLC's (Programmable Logic Controllers). **Features:** • Communication parameters are configurable using the Embedded PLC Utility for the Rabbit Processor • Rabbit 3000 at 44.2MHz • 10Base-T, RJ-45 (standard) • Flash Memory: 512K • SRAM: 256K + 512K • Digital Inputs: 16 • Digital Outputs: 8 • Analog Inputs: One 10-bit resolution • Analog Outputs: Two 9-bit PWM • 6 serial ports

316-1120-ND (101-1108)..... **\$599.00**

Color Touchscreen Application Kit

• The Reach Technology Color Touchscreen with a RabbitCore creates an application kit that provides embedded systems integrators the ability to add advanced interface functionality to embedded systems. Color touchscreens provide real-time feedback, allowing for better control in industrial-automation applications. **Includes:** • RCM3720 RabbitCore with Prototyping Board • Reach Technology SLCD Graphics Touch Terminal with NEMA 4 steel enclosure • Supplemental CD's • Dynamic C development system and complete documentation on CD-ROM • User manuals, sample programs and libraries • 5 serial and conversion cables • Two AC adapters (U.S./Canada only)

316-1075-ND (101-1062)..... **\$1062.50**

ZigBee™ Application Kit

This kit combines MaxStream®'s XBee™ RF modem with the popular RCM3720 RabbitCore module along with and easy-to-use interface to help customers build a practical ZigBee wireless control network. **Features:** • Rabbit 3000 processor at 22.1MHz • 10Base-T interface, RJ-45, 2 LEDs • Flash Memory: 512K • SRAM: 256K • MaxStream XBee (ISM 2.4GHz) • 802.15.4 standard (ZigBee compliant) • Transmit Power Output = 1mW (0 dBm) • Receiver Sensitivity = -92 dBm (1% PER) • Supported Network Topologies: Point-to-point, Point-to-multipoint, Peer-to-peer, Mesh

316-1118-ND (101-1137)..... **\$399.54**

Camera Interface Application Kit

This kit combines a VGA camera with a popular RabbitCore module that has removable memory to provide an event-capture application. **Features:** • RabbitCore module at 44MHz, and 10/100Base-T Ethernet • 512K Flash/512K SRAM, 16MB NAND and socket for removable memory • VGA camera module, servo motors and IR motion sensor • Time stamped photos and event notification options such as email notification and FTP upload • Image Resolution: 640 x 480 (VGA) / 320 x 240 (QVGA) / 160 x 128 / 80 x 64 • Color: Up to 8-bit gray, 16-bit RGB or standard JPEG preview images • Sensor Type: Passive infrared sensor • Motor Type: Micro-servo

316-1119-ND (101-1121)..... **\$499.00**

(Continued)

All Prices are in US Dollars! Toll-Free: 10800-1527031 (China Telecom - 中国电讯) — 10800-8527031 (CNCG - 中国网通)

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